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JPRS ~~XXXXXXXXXX~~ 15119

EUR - POLAND
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JPRS: 749-D
CSO: 1645-D/22

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ACSI 1-0424-A
ID 2191530

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No 7, 1958, pp 105-106.

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Attempts to Differentiate BCG Strains of Different
Origin and Lyophilized Vaccines Prepared from These
Strains by Means of Radioactive Carbon, ¹⁴C-11, by
W. Kurylowicz, A. Kuznyecow, J. F. Pasquier, K.
Sitak, 11 pp.

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Vol XXIX, No 11, 1958, pp 52-61.

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lowicz, A. Kuszyecow, J. P. Pasquier, K.
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CSO: 1645/23-D

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(DC-2631)

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ordinates of Artificial Earth Satellites (AES),
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ID 2191525

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16 Mar 62

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TT-64-14061

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Karl Ipsas.
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DURABILITY OF GLASS ARTICLES (Verfahren zur
Erhöhung der chemischen Widerstandsfähigkeit von
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1 ref
Order from OTS, SLA, or ETC \$1.60 TT-64-14061

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K 27423 IVc/32b, originated 24 Nov 53, issued
2 Oct 54, (priority claimed: Sweden, 24 Nov 54 and
17 Nov 55).

DESCRIPTORS: *Glass, *Ceramic coatings, Surfaces,
Vapor plating, Protective treatments, Heat treatment.

(Materials--Ceramics, TT. v. 11, no. 7)

I. Kurz, F. W. A.
II. Jagtich, R. K. L.
III. Patent (Germany) 1 040 198

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ACSI I-0846
ID 2186189

Walter - Switzerland
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4 Apr 62

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Organization, by H. R. Kurz, 9 pp.

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AF 1464389

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JPRS 7040

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PL-480

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EE - Germany

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Mar 65

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Acoustic Studies of a Thin Sandwich Construction Absorber, by G. Kurtze,
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GOVERNMENT USE ONLY
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Dept of Navy NavShips Tr No 1140

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Sci-Phys
July 69

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in the Centimetre-waveband, by M. Kusa, B. Kvasil,
14 pp.

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Sci

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Sept 61

TT-64-10538

Kusaka, Kazuji.
ALLOYS TO BE ADDED IN A LADLE TO MOLTEN
STEEL. [1963] [6p] (foreign text included)
Order from: OTS, SLA, or ETC \$1.10 TT-64-10538

Trans. of Japanese patent specification publication
Sho 32-6105, 10 Aug 57, appl. 26 Jan 56 as Sho 31-1827.
(Abstract available)

DESCRIPTORS: *Steel, Melting, Liquid metals, Alloys,
Additives, Mechanical properties.

The invention involves inoculants to be added, in a
ladle, to molten metal, which consist of 7-20% Ca,
15-30% Cr, 32-56% Si, 10-22% Fe and impurities
inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

I. Kusaka, K.
II. Patent (Japan) pub. 32-6105

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Office of Technical Services

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ALLOYS TO BE ADDED IN A LADLE TO MOLTEN METAL. [1963] [5p] (foreign text included)
Order from OTS, SLA, or ETC \$1.10 TT-64-10539

Trans. of Japanese patent Specification publication
ShO 32-6104, 10 Aug 57, appl. 21 Jan 56 as Sho 31-1364.

DESCRIPTORS: Metals, Melting, *Liquid metals,
Alloys, Additives, Mechanical properties,
(Abstract available)

The invention involves inoculants to be added, in a ladle, to molten metal, which consist of 6-20% Ca, 20-40% Mn, 35-55% Si, 6-20% Fe and impurities which are inevitably mixed in them. (Author)

(Metallurgy, TT, v. 11, no. 9)

TT-64-10539

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Experiments to See the Effect of Color and Its
Depth on the Driving Net by the Centralized
Method, by T. Kusaka.

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Sci - Biol Pacific Oceanic Fishery
Investigations, Honolulu,
Jun 59 Hawaii.

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Gracilaria Confervoides. Pt. 3 Manufacture of
Crude Agar-Agar from Gracilaria Confervoides
on an Industrial Scale, by Y. Kojima,
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Jul 66

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IDB 7475

Sci-Materials
Nov 68

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Cobalt Sulfide, by N. A. Anisheva, P. S.
Kusakin. UNCL

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No 4, Apr 1958, pp 915-923.

ATTC F-45-9578/V

Sci - Chem

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Structural Diagram of the Fe-Ce-S-System,
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renko, N. P. Diyev. UNCL.

RUSSIAN, per, Zhur Georg Khim, Vol III, No 4,
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Sci - Chem

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Molava, P. S. Kusakin.

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Sci - Min/Met

Sep 58

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by N. G. Moleva, P. S. Kusakin, et al, 5 pp.

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1963, pp 36-40.

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Crystallization of Melts in the System FeS-Co₂S₃ by
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4 pp.

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Sci

Sep 60

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Thermoresistance of ~~Muscle~~ Muscles in Several
Representatives of the Atlantic Salmon and Trout, by
A. A. Kusakina, 6 pp.

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OTS 61-31010
PL-480

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PST 545

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(DC-6994)

THERMAL STABILITY OF MUSCLES AND CHOLINESTERASE OF
MUSCLE HOMOGENATES IN CARASSIUS FROM HOT SPRINGS
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JPRS 15088

SCI - MEDICINE

SEP 62

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(NY-5502)

The Lability and Conversatism of Adaptation of
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JPRS 7680

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(NY-5502)

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JPRS 7680

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JPRS 2714

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Sci - Biol

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(NY-2637).

Cytophysiological Investigation of Muscle Tissue
in Certain Interspecies Fish Hybrids After Heterosis,
by A. A. Kusakina, 15 pp.

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Sci - Med, Cytology
Aug 59

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Developing a Mathematical Theory of Stable
Lyophilic Colloids, by B. Deryagin, M. Kusakov,
52 pp.

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i Yestestvoznikh Nauk, 1957, pp 1119-1150.
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FTD-TT-62-1564

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Sci-Phys
Jun 63

Kusakov, M. and Krym, K.
A CHARACTERISTIC OF THE MECHANICAL
PROPERTIES OF LIQUIDS OBTAINED BY BLOWING
OFF RADIALLY A LIQUID LAYER IN A PLANE
PARALLEL SLIT. [1961] 7p. 5 refs.
Order from OTS or SLA \$1.10

61-20155

Reprint of Acta Physicochimica U. R. S. S. , 1945, v. 20,
p. 548-566.

DESCRIPTORS: *Lubrication, *Oils, Liquids, Fluids,
Mechanical properties.

(Unannounced)

61-20155

I. Kusakov, M.
II. Krym, K.

Office of Technical Services

Kusakov, M., Frokof'eva, E., and Patsigun, E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA
IN OIL TECHNOLOGY. III. WASHING OFF URETA
OIL FROM THE NATURAL ROCKS [1961] 11p.
5 refs.

Order from OTS or SLA \$1.60

61-16831

Trans. of Akademiya Nauk SSSR. Otdelanie
Tekhnicheskikh Nauk. Izvestiya, 1960, no. 5, p. 49-52.

DESCRIPTORS: *Oils, Recovery, USSR, *Petroleum
industry, Wetting agents, Surface properties, Rock,
Physical chemistry.

The most production of oil from the Udden field can be
obtained by washing off the oil with weak solutions of
alkali, such as soda, sodium hydroxide or potassium
hydroxide. Measuring the surface tension of the aqueous
alkali extracts revealed that there is no reason to fear
that the Udden oil will be leached out by the alkaline
(Chemistry--Physical, TT, v. 4, no. 6)

(over)

61-16831

I. Kusakov, M.
II. Frokof'eva, E.
III. Patsigun, E.
IV. Title: Washing...

Office of Technical Services

Surface Activity of Crude Oils and Their Com-
ponents, by V. G. Gutsalyuk, M. M.
Kusakov, 10 pp.

RUSSIAN, per, Seriya Khim Ak Nauk Kazakh SSSR,
Vol VIII, N 1955, pp 122-132.

ATS-20 1944R

Sol

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Kusakov, M.M. and Gudok, N.S.
INFLUENCE DES PRESSIONS EXTERIEURES SUR LES
PROPRIETES DE FILTRATION DES ROCHES PETROLI-
FERES (Influence of External Pressure on Filtration
Properties of "Oil-bearing Rocks" 17p. 15refs
CNRS-XXV 344.
Order from OTS, ETC or CNRS \$0.80 TT-62-26726

Trans. in French of Neftyanoe Khozyaistvo (USSR)
1958, v. 56, no. 6, p. 40-47.

DESCRIPTORS: *Petroleum, *Rock (Geology), Pres-
sure, Filtration, Mechanical properties, Elasticity,
Plasticity, Compressive properties, Irreversible
processes.

(Materials--Fuels, TT, v. 11, no. 6)

TT-62-26726

I. Kusakov, M.M.
II. Gudok, N.S.
III. CNRS-XXV 344
IV. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

Method for Studying of Petroleum Displacement
by Water in a Porous Medium, by I. M. Koshaleva,
E. M. Kuzakov, 14 pp.

RUSSIAN, per, Trudy Moskovskiy Neftyanyy Institut,
Vol XXII, 1958, pp 142-157.

SLA 60-18748

Sci

203, 234

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Kusakov, M. M.
DEPENDENCE OF THE VISCOSITY OF LUBRICATING OILS CONTAINING ADDITIVES UPON THE CONCENTRATION OF THE LATTER AND THE TEMPERATURE. [1961] 13p. 10 refs.
Order from OTS or SLA \$1.60 61-18212

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1944, p. 672-684.

DESCRIPTORS: *Lubrication, *Oils, *Lubricant additives, Viscosity, Temperature.

Changes in the viscosity of several samples of lubricating oils were studied at various temperatures with the aid of a universal thermocryostat, produced by adding one of three additives of high viscosity and by diluting the oil with gasoline. The additives included paratone, taperol and vinipol. An exponential inter-

(Materials--Lubricants, TT, v. 6, no. 6) (over)

61-18212

I. Kusakov, M. M.

Office of Technical Services

Kusakov, M. M. and Zinchenko, K. E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA
IN OIL TECHNOLOGY. II. MOLECULAR SURFACE
PROPERTIES OF OILS. [1961] 10 p. 19 r-fs.
Order from OTS or SLA \$1.10 61-16832

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya, 1960, no. 4, p. 19-38.

DESCRIPTORS: *Oils, USSR, Physical chemistry,
Molecules, Surface properties, *Petroleum industry,
Recovery.

The surface tension of ten crude oils from the most
important Soviet fields and of their solutions in non-
polar medicinal oil and non-polar gasoline at the inter-
face with water were determined as a part of an in-
vestigation of molecular surface characteristics of
crude oils. The surface tension of aqueous and aqueous-
alkali extracts of these oils at the boundary with air
were also determined. These measurements revealed
(Chemistry--Physical, TT. V. 6, no. 6) (over)

61-16832

I. Kusakov, M. M.
II. Zinchenko, K. E.
III. Title: Molecular...

Office of Technical Services

Kusakov, M. M. and Mekenitskaya, L. I.
INVESTIGATION OF THE STATE OF BOUND WATER
IN OIL RESERVOIRS. [1963] 17p.
Order from OTS or SLA \$1.60

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Trans. of mono. Issledovaniya v Oblasti Poverkhnost-
nykh Sil: Sbornik Dokladov na Konferentsii po Pover-
khnostnym Silam, Apr 60 (Investigations in the Field of
Surface Forces: Collection of Reports Made at the Con-
ference on Surface Forces, April 1960) Moscow, 1961,
p. 17-26.

DESCRIPTORS: *Geochemistry, Water, Surface proper-
ties, Films, *Oils, Models (Simulations), Electrolytes,
Solutions, Porous materials, *Hydraulic accumulators,
Moisture.

The conditions under which aqueous solutions can exist
in the form of multimolecular wetting layers, and the
(Earth Sciences--Geology, TT, v. 10, no. 9) (over)

63-16994

- I. Title: Bound water
- I. Kusakov, M. M.
- II. Mekenitskaya, L. I.
- III. Title: Sbornik ...
- IV. Title: Investigations ...
- V. Title: Collection ...
- VI. Title: Konferentsii ...
- VII. Title: Conference ...

Office of Technical Services

Surface Activity of Crude Oils and Their Com-
ponents, by V. G. Gutsalyuk, M. M.
Kabanov, 10 pp.

RUSSIAN, per, Seriya Khim Ak Nauk Kazakh SSSR,
Vol. VIII, N 1955, pp 122-132.

ATC-20 134R

Sci

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Jun 62

Method for Studying of Petroleum Displacement
by Water in a Porous Medium, by I. M. Kosheleva,
M. M. Kusekov, 14 pp.

RUSSIAN, per, Trudy Moskovskiy Neftyanyy Institut,
Vol XXII, 1958, pp 142-157.

SLA 60-18748

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Jun 62

Investigation of the Mechanism of Reaction of
Elemental Sulfur with Thin Layers of Copper in a
Hydrocarbon Medium by the Radioactive Tracer Method,
by M. M. Kusekov, E. A. Razumovskaya, A. P. Dekartov,
4 pp.

RUSSIAN, per, Zhur, Prik Khim, Vol XXXIII, No 11,
1960, pp 2466-2470.

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Determination of the Surface Tension of Liquid
Hydrocarbons and Petroleum by the Measurement
of Drop Dimensions [The Sessile-Pendent Drop
Method], by M. H. Kusakov, et al.

RUSSIAN, no per, Trudy Inst Neft Ak Nauk SSSR,
Vol II, 1952, pp 53-72.

Assoc Tech Sv

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Sci - Chem
Sep 57

Reactions of Metals with Organic Thio and Thio-
phosphorus Additives in Oils, by G. V. Vinogradov,
M. M. Kiselev, P. I. Sanin, Ye. A. Razumovskaya,
A. V. Ul'yanova, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 5,
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Physical Properties of Petroleum Oils, by
O. V. Vinogradov, M. H. Muskhov, et al.
RUSSIAN, per Khimiya i Tekhnologiya Topliv
1 Issue, Vol I, No 1, 1956, pp 61-73.
SILA 77 64-20204

Apr 67

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Film and Capillary-Held Water in a Porous Medium,
by M. M. Kuzakov and L. Ks I. Vekenitskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,
1957, pp 942-945.

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Sci - Chem

Aug 58

*Co-op J. Scheme - 525
(L2.)*

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The Rheological Properties of Surface Films
at the Oil-Water Interface and their Role in
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